BRUHATH BANGALORE MAHANAGARA PALIKE

YALAHANKA ELECTRICAL DIVISION

E MEASUREMENT BOOK

**Name of work:-** Repairs and Replacement of damaged Lights in forest Park in A sector yelahanka Constituency in Ward no 04.

Executive Engineer
Electrical Division
Yelahanka Zone BBMP
Byatarayanapura, Bangalore-92

# BRUHATH BANGALORE MAHANAGARA PALIKE

## Yalahanka ELECTRICAL DIVISION

## PRE MEASUREMENT BOOK

**Name of work: :-** Repairs and Replacement of damaged Lights in forest Park in A sector yelahanka Constituency in Ward no 04.

**Name of Contractror of nature of Agency:-** M/s, Mamatha Electricals,

**Job Code No:-** 004-18-000082

**Ref no and Date of commencement of work:-**EE(Pro)/YnkZone/WO/000056/ 2018-19Date:- 13/02/2019

**Measurement Book No:** **Page No:**

Bill NO :-

| Sl. No. | Description of item | Unit | Present Measurements | | |
|---|---|---|---|---|---|
| | | | Qty | Tender Full Rate | Cost |
| 1 | LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.<br>LED Streetlight 24watts | Nos | 44 | 6219.00 | 273636.00 |
| 1 | SLVES/04/FP/TC25/01/MV | | | | |
| 2 | SLVES/04/FP/TC25/02/MV | | | | |
| 3 | SLVES/04/FP/TC25/03/MV | | | | |
| 4 | SLVES/04/FP/TC25/04/MV | | | | |
| 5 | SLVES/04/FP/TC25/06/MV | | | | |
| 6 | SLVES/04/FP/TC25/07/MV | | | | |
| 7 | SLVES/04/FP/TC25/08/MV | | | | |
| 8 | SLVES/04/FP/TC25/09/MV | | | | |
| 9 | SLVES/04/FP/TC25/10/MV | | | | |
| 10 | SLVES/04/FP/TC25/11/MV | | | | |
| 11 | SLVES/04/FP/TC25/12/MV | | | | |
| 12 | SLVES/04/FP/TC25/13/MV | | | | |
| 13 | SLVES/04/FP/TC25/14/MV | | | | |
| 14 | SLVES/04/FP/TC25/14/MV/A | | | | |
| 15 | SLVES/04/FP/TC25/15/MV | | | | |
| 16 | SLVES/04/FP/TC25/16/MV | | | | |

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|---|---|---|---|---|---|
| 17 | SLVES/04/FP/TC25/17/MV | | | | |
| 18 | SLVES/04/FP/TC25/18/MV | | | | |
| 19 | SLVES/04/FP/TC25/19/MV | | | | |
| 20 | SLVES/04/FP/TC25/20/MV | | | | |
| 21 | SLVES/04/FP/TC25/21/MV | | | | |
| 22 | SLVES/04/FP/TC25/22/MV | | | | |
| 23 | SLVES/04/FP/TC25/23/MV | | | | |
| 24 | SLVES/04/FP/TC25/24/MV | | | | |
| 25 | SLVES/04/FP/TC25/25/MV | | | | |
| 26 | SLVES/04/FP/TC25/26/MV | | | | |
| 27 | SLVES/04/FP/TC25/27/MV | | | | |
| 28 | SLVES/04/FP/TC25/28/MV | | | | |
| 29 | SLVES/04/FP/TC25/31/MV | | | | |
| 30 | SLVES/04/FP/TC25/33/MV | | | | |
| 31 | SLVES/04/FP/TC25/35/MV | | | | |
| 32 | SLVES/04/FP/TC25/36/MV | | | | |
| 33 | SLVES/04/FP/TC25/37/MV | | | | |
| 34 | SLVES/04/FP/TC25/39/MV | | | | |
| 35 | SLVES/04/FP/TC25/41/MV | | | | |
| 36 | SLVES/04/FP/TC25/42/MV | | | | |
| 37 | SLVES/04/FP/TC25/43/MV | | | | |
| 38 | SLVES/04/FP/TC25/45/MV | | | | |
| 39 | SLVES/04/FP/TC25/47/MV | | | | |
| 40 | SLVES/04/UP/TC26/11/MV | | | | |
| 41 | SLVES/04/UP/TC26/13/MV | | | | |
| 42 | SLVES/04/UP/TC26/14/MV | | | | |
| 43 | SLVES/04/UP/TC26/15/MV | | | | |
| 44 | SLVES/04/UP/TC26/16/MV | | | | |
| 2 | Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe | Nos | 43 | 891.00 | 38313.00 |
| 3 | Transporting and erecting of 3.5 Mtrs long Swged Tubelor park poles including Digging of pit 45x45x100cms & providing 1:2:4 concrete of size 35x35x130 cms Including coping as per the detaild enclosed civil estimate & drawimg | Nos | 2 | 972.00 | 1944.00 |
| 4 | Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 4 core 16 sqmm | Mtrs | 226 | 135.00 | 30510.00 |
| | Timer box to | | | | |
| | SLVES/04/EP/TC-25/25/MV 25 Mtrs to | | | | |
| | SLVES/04/EP/TC-25/26/MV 25Mtrs to | | | | |
| | SLVES/04/EP/TC-25/27/MV 24Mtrs to | | | | |
| | SLVES/04/EP/TC-25/28/MV 24Mtrs to | | | | |
| | SLVES/04/EP/TC-25/42/MV 25Mtrs | | | | |
| | Timer box to | | | | |
| | SLVES/04/EP/TC-25/24/MV 0 Mtrs to | | | | |
| | SLVES/04/EP/TC-25/23/MV 25Mtrs to | | | | |
| | SLVES/04/EP/TC-25/22/MV 24Mtrs to | | | | |
| | SLVES/04/EP/TC-25/21/MV 24Mtrs to | | | | |
| | SLVES/04/EP/TC-25/19/MV 22Mtrs to | | | | |
| | SLVES/04/EP/TC-25/18/MV 18Mtrs to | | | | |
| | Total 236 Mtrs | | | | |

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|---|---|---|---|---|---|
| 5 | Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm | Mtrs | 226 | 9.00 | 2034.00 |
| 6 | Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. (As perCivil SR KSRB I-2, P-7).a) In soil (ordinary) | Mtrs | 200 | 72.00 | 14400.00 |
| 7 | Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.b)1.5 sqmm | Mtrs | 320 | 14.40 | 4608.00 |
| | **TOTAL Rs** | | | | **365445.00** |

CERTIFICATE:

1. This is certify that the work done is saticefactorily.
2. This is certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

Executive Engineer
Electrical Division
Yelahanka Zone BBMP
Byatarayanapura, Bangalore-92